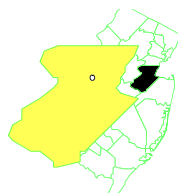


CHEMICAL INSECTICIDE CORPORATION

NEW JERSEY

EPA ID# NJD980484653



EPA REGION 2
CONGRESSIONAL DIST. 6
Middlesex County
Edison Township

Site Description

The Chemical Insecticide Corporation (CIC) Site is located in Edison Township. CIC owned the property located at 30 Whitman Avenue from 1954 to 1970 and used it for processing various pesticides. In the mid-1960s, the Edison Department of Health became concerned about odors, wastewater discharges and on-site fires. The Department ordered the facility to stop discharging wastewater, oversaw disposal of leaking drums to eliminate an odor problem, and ordered the closing of on-site lagoons. CIC declared bankruptcy in 1970. Subsequently, Piscataway Associates bought the 6-acre CIC property and demolished the production facilities. As part of a State-wide dioxin screening program, the New Jersey Department of Environmental Protection sampled soil from the site and found contamination, triggering more detailed investigations by EPA. Approximately 77,000 people live within 3 miles of the site. An unnamed stream and Mill Brook run near the site and have been used for recreation. Groundwater is a potential alternate water supply in the event of shortages in the municipal water supply system.

Site Responsibility: This site is being addressed through Federal and State actions.

NPL LISTING HISTORY

Proposed Date: 10/26/89

Final Date: 08/30/90

Threats and Contaminants



The soil at the site is contaminated with arsenic, organic pesticides (e.g., DDT, chlorodane), herbicides (dinoseb) and other hazardous substances. Although site access is controlled by a fence, contaminants can migrate from the site by groundwater migration. Prior to construction of an interim cap, contaminated surface water runoff from the site was found to contain arsenic and the herbicide dinoseb. This runoff entered an unnamed tributary of Mill Brook. The groundwater at the site is contaminated by arsenic, organic pesticides and other hazardous substances. Although most drinking water in the area is from distant sources, the continued migration of groundwater contaminants could affect some of the privately owned wells in the area.



Cleanup Approach

EPA has divided the response actions for the site into several remedial phases or Operable Units (OUs) as follows:

Interim Remedy (OU1): this remedial phase addressed the contaminated surface water runoff conditions at the CIC site (completed in 1995).

Final Soil Remedy (OU2): this remedial phase will address contaminated soil on the CIC property and on neighboring industrial areas. EPA issued a Record of Decision for OU2 on September 29, 2000. The selected remedy called for the excavation and off-site disposal of an estimated 106,000 cubic yards of contaminated soil.

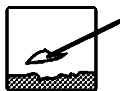
Final Off-Site Remedy (OU3): this remedial phase addressed the remediation of contaminated soil and sediment in off-site areas associated with the CIC site (completed in 1997).

Final Groundwater Remedy (OU4): this remedial phase will address groundwater contamination associated with the CIC site. The cleanup strategy for a groundwater remedy is expected in late 2002 or 2003.

Response Action Status



Contaminated Surface Water Runoff (OU1): This interim remedial action included (1) grading the site; (2) installing an impermeable cap over the site; (3) installation of a system to control the release of uncontaminated runoff; and (4) installation of a fence along the entire site perimeter. This action was completed in September 1994.



Contaminated Off-Site Soil and Sediment (OU3): A Record of Decision to address contaminated off-site soil and sediment was issued on March 28, 1995. Work started in July 1995, and full restoration work was completed in April 1997.



Site Soils and Source Materials (OU2): A Record of Decision was issued on September 29, 2000, to address the contaminated soils and source materials. This OU is currently in the remedial design phase, which is anticipated to be completed in the Summer of 2002.



Groundwater (OU4): A final remedy to address contaminated groundwater will be selected after the completion of groundwater investigations. A Remedial Investigation and Feasibility Study to evaluate current groundwater Site conditions and develop appropriate cleanup alternatives is scheduled to be completed in the Fall of 2002. At that time, EPA plans to release a groundwater Proposed Plan to the public for comment.



Cleanup Progress (Threat Mitigated by Physical Action)

Completion of the above-described interim remedial action, which included the installation of a cap and security fence around the Chemical Insecticide Corporation site, has reduced the threat to the surrounding community and the environment.

Implementation of the remedy to address contaminated off-site soil and sediment included the excavation and off-site disposal of 13,800 cubic yards (20,000 tons) of contaminated soil and sediment found in and around Mill Brook has been completed, and therefore, the creeks have been restored. Restoration of this remediated area included extensive reconstruction of stream beds and stream banks. The restoration involved replacing subsoil and rip-rap for stabilization of stream banks, topsoil, and the planting of over 3,000 wetland and upland trees and shrubs.

In August 1999, EPA concluded the last phase of field work needed to complete a Remedial Investigation/Feasibility Study for the final remedy at the site. The OU2 Record of Decision for the contaminated soil and source material was issued on September 29, 2000. The RD is scheduled to be completed in the Summer of 2002. The OU2 remedial action is planned to start shortly thereafter, pending the availability of funding. A Proposed Plan for OU4 (groundwater) is planned for later in 2002 or 2003.